

Fig. 1

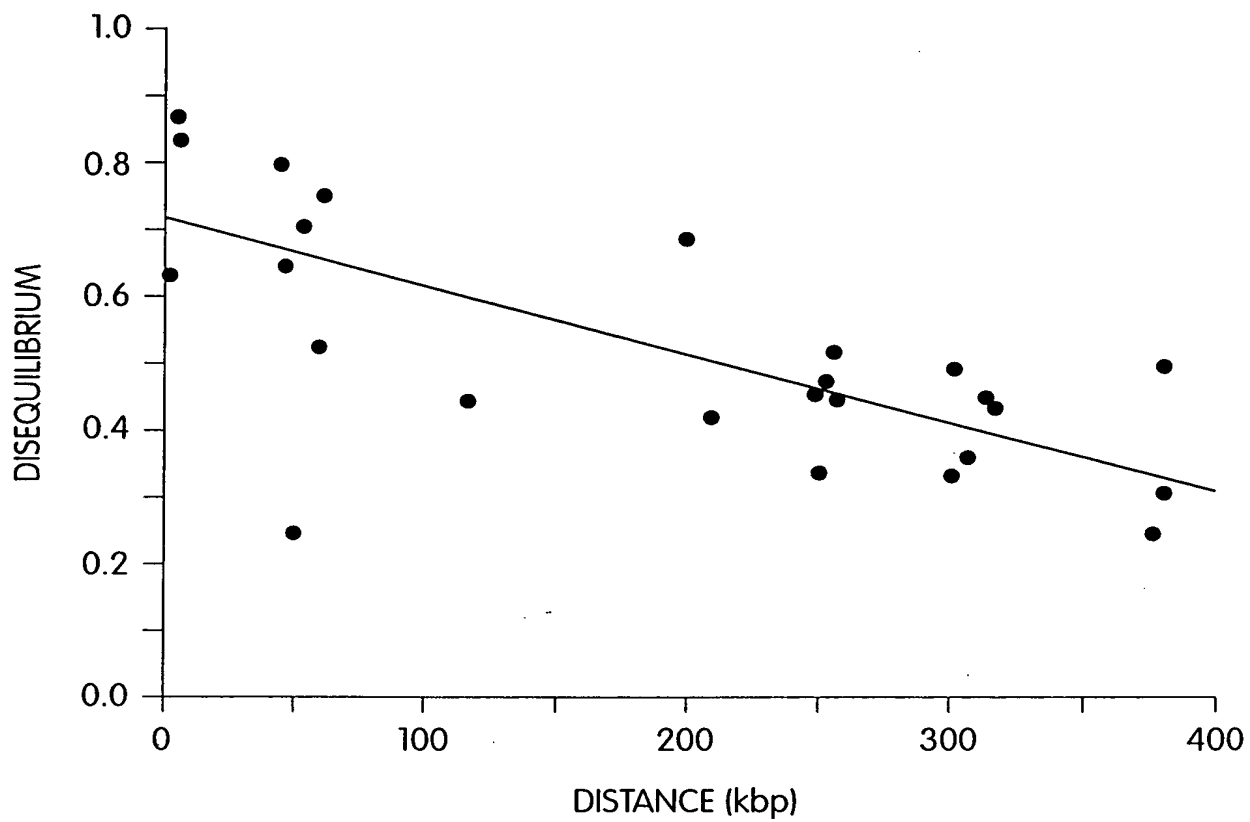


Fig. 2

```

-1437 AAGCTTCTAC CCTAGTCTGG TGCTACACTT ACATTGCTTA CATCCAAGTG TGGTTATTTTC
-1377 TGTGGCTCCT GTTATAACTA TTATAGCACC AGGTCTATGA CCAGGAGAAT TAGACTGGCA
-1317 TTAAATCAGA ATAAGAGATT TTGCACCTGC AATAGACCTT ATGACACCTA ACCAACCCCA
-1257 TTATTTACAA TTAAACAGGA ACAGAGGGAA TACTTTATCC AACTCACACA AGCTGTTTTTC
-1197 CTCCCAGATC CATGCTTTTT TGCGTTTATT ATTTTTTAGA GATGGGGGCT TCACTATGTT
-1137 GCCCACACTG GACTAAAAC CTGGGCCTCA AGTGATTGTC CTGCCTCAGC CTCCTGAATA
-1077 GCTGGGACTA CAGGGGCATG CCATCACACC TAGTTCATTT CCTCTATTTA AAATATACAT
-1017 GGCTTAAACT CCAACTGGGA ACCCAAACA TTCATTTGCT AAGAGTCTGG TGTTCTACCA
-957 CCTGAAGTAG GCTGGCCACA GGAATTATAA AAGCTGAGAA ATTCTTTAAT AATAGTAACC
-897 AGGCAACATC ATTGAAGGCT CATATGTAAA AATCCATGCC TTCCTTTCTC CCAATCTCCA
-837 TTCCCAAAC TAGCCACTGG TTCTGGCTGA GGCCTTACGC ATACCTCCCG GGGCTTGCAC
-777 ACACCTTCTT CTACAGAAGA CACACCTTGG GCATATCCTA CAGAAGACCA GGCTTCTCTC
-717 TGGTCCTTGG TAGAGGGCTA CTTTACTGTA ACAGGGCCAG GGTGGAGAGT TCTCTCCTGA
-657 AGCTCCATCC CCTCTATAGG AAATGTGTTG ACAAATATTCA GAAGAGTAAG AGGATCAAGA
-597 CTTCTTTGTG CTCAAATACC ACTGTTCTCT TCTCTACCCT GCCCTAACCA GGAGCTTGTC
-537 ACCCCAAACT CTGAGGTGAT TTATGCCTTA ATCAAGCAAA CTTCCCTCTT CAGAAAAGAT
-477 GGCTCATTTT CCCTCAAAAG TTGCCAGGAG CTGCCAAGTA TTCTGCCAAT TCACCCTGGA
-417 GCACAATCAA CAAATTCAGC CAGAACACAA CTACAGCTAC TATTAGAACT ATTATTATTA
-357 ATAAATTCCT CTCCAAATCT AGCCCCTTGA CTTCCGATTT CACGATTTCT CCCTTCCTCC
-297 TAGAACTTG ATAAGTTTCC CGCGCTTCCC TTTTCTAAG ACTACATGTT TGTCATCTTA
-237 TAAAGCAAAG GGGTGAATAA ATGAACCAAA TCAATAACTT CTGGAATATC TGCAAACAAC
-177 AATAATATCA GCTATGCCAT CTTTCACTAT TTTAGCCAGT ATCGAGTTGA ATGAACATAG
-117 AAAAATACAA AACTGAATTC TTCCCTGTAA ATTCCCCGTT TTGACGACGC ACTGTAGCC
-57 ACGTAGCCAC GCCTACTTAA GACAATTACA AAAGGCCAAG AAGACTGACT CAGGCTTAAG
4 CTGCCAGCCA GAGAGGGAGT CATTTCATTG GCGTTTGAGT CAGCAAAGGT ATTGTCCTCA
64 CATCTCTGGC TATTAAAGTA TTTTCTGTTG TTGTTTTTCT CTTTGGCTGT TTTCTCTCAC
124 ATTGCCTTCT CTAAAGCTAC AGTCTCTCCT TTCTTTTCTT GTCCCTCCCT GGTGTTGGTAT
184 GTGACCTAGA ATTACAGTCA GATTTTCAGAA AATGATTCTC TCATTTTGCT GATAAGGACT
244 GATTGTTTTT ACTGAGGGAC GGCAGAACTA GTTTCCTATG AGGGCATGGG TGAATACAAC
304 TGAGGCTTCT CATGGGAGGG AATCTCTACT ATCCAAAATT ATTAGGAGAA AATTGAAAAT
364 TTCCAACCTC GTCTCTCTCT TACCTCTGTG TAAGGCAAAT ACCTTATTCT TGTGGTGTTT
424 TTGTAACCTC TTCAAACCTT CATTGATTGA ATGCCTGTTT TGGCAATACA TTAGGTTGGG
484 CACATAAGGA ATACCAACAT AAATAAAACA TTCTAAAAGA AGTTTACGAT CTAATAAAGG
544 AGACAGGTAC ATAGCAAAC AATTCAAAGG AGCTAGAAGA TGGAGAAAAT GCTGAATGTG
604 GACTAAGTCA TTCAACAAAG TTTTCAGGAA GCACAAAGAG GAGGGGCTCC CCTCACAGAT
664 ATCTGGATTA GAGGCTGGCT GAGCTGATGG TGGCTGGTGT TCTCTGTTGC AGAAGTCAAG
724 ATGGCCAAAG TTCCAGACAT GTTTGAAGAC CTGAAGAACT GTTACAGGTA AGGAATAAGA
784 TTTATCTCTT GTGATTTAAT GAGGGTTTCA AGGCTACCA GAATCCAGCT AGGCATAACA
844 GTGGCCAGCA TGGGGGCAGG CCGGCAGAGG TTGTAGAGAT GTGTACTAGT CCTGAAGTCA
904 GAGCAGGTTT AGAGAAGACC CAGAAAAACT AAGCATTCAG CATGTTAAAC TGAGATTACA
964 TTGGCAGGGA GACCGCCATT TTAGAAAAAT TATTTTGTAG GTCTGCTGAG CCTACATGA
1024 ATATCAGCAT CAACTTAGAC ACAGCCTCTG TTGAGATCAC ATGCCCTGAT ATAAGAATGG
1084 GTTTTACTGG TCCATTCTCA GGAAAACCTG ATCTCATTCA GGAACAGGAA ATGGCTCCAC
1144 AGCAAGCTGG GCATGTGAAC TCACATATGC AGGCAAATCT CACTCAGATG TAGAAGAAAG
1204 GTAAATGAAC ACAAAGATAA AATTACGGAA CATATTAAAC TAACATGATG TTTCCATTAT
1264 CTGTAGTAAA TACTAACACA AACTAGGCTG TCAAAATTTT GCCTGGATAT TTTACTAAGT
1324 ATAAATTATG AAATCTGTTT TAGTGAATAC ATGAAAGTAA TGTGTAACAT ATAATCTATT
1384 TGGTTAAAT AAAAGGAAG TGCTTCAAAA CCTTTCTTTT CTCTAAAGGA GCTTAACATT
1444 CTTCCCTGAA CTTCAATTAA AGCTCTTCAA TTTGTTAGCC AAGTCCAATT TTTACAGATA
1504 AAGCACAGGT AAAGCTCAAA GCCTGTCTTG ATGACTACTA ATTCCAGATT AGTAAGATAT

```

Fig. 3

1564	GAATTACTCT	ACCTATGTGT	ATGTGTAGAA	GTCCTTAAAT	TTCAAAGATG	ACAGTAATGG
1624	CCATGTGTAT	GTGTGTGACC	CACAACTATC	ATGGTCATTA	AAGTACATTG	GCCAGAGACC
1684	ACATGAAATA	ACAACAATTA	CATTCTCATC	ATCTTATTTT	GACAGTGAAA	ATGAAGAAGA
1744	CAGTTCCTCC	ATTGATCATC	TGTCTCTGAA	TCAGGTAAGC	AAATGACTGT	AATTCTCATG
1804	GGACTGCTAT	TCTTACACAG	TGGTTTCTTC	ATCCAAAGAG	AACAGCAATG	ACTTGAATCT
1864	TAAATACTTT	TGTTTTACCC	TCACTAGAGA	TCCAGAGACC	TGTCTTTTCAT	TATAAGTGAG
1924	ACCAGCTGCC	TCTCTAAACT	AATAGTTGAT	GTGCATTGGC	TTCTCCCAGA	ACAGAGCAGA
1984	ACTATCCCAA	ATCCCTGAGA	ACTGGAGTCT	CCTGGGGCAG	GCTTCATCAG	GATGTTAGTT
2044	ATGCCATCCT	GAGAAAGCCC	CGCAGGCCGC	TTCACCAGGT	GTCTGTCTCC	TAACGTGATG
2104	TGTTGTGGTT	GTCTTCTCTG	ACACCAGCAT	CAGAGGTTAG	AGAAAGTCTC	CAACATGAA
2164	GCTGAGAGAG	AGGAAGCAAG	CCAGCTGAAA	GTGAGAAGTC	TACAGCCACT	CATCAATCTG
2224	TGTTATTGTG	TTTGGAGACC	ACAAATAGAC	ACTATAAGTA	CTGCCTAGTA	TGTCTTCAGT
2284	ACTGGCTTTA	AAAGCTGTCC	CCAAAGGAGT	ATTTCTAAAA	TATTTTGAGC	ATTGTTAAGC
2344	AGATTTTTTA	CCTCCTGAGA	GGGAACTAAT	TGGAAAGCTA	CCACTCACTA	CAATCATTGT
2404	TAACCTATTT	AGTTACAACA	TCTCATTTTT	GAGCATGCAA	ATAAATGAAA	AAGTCTTCCT
2464	AAAAAATCA	TCTTTTTATC	CTGGAAGGAG	GAAGGAAGGT	GAGACAAAAG	GGAGAGAGGG
2524	AGGGAAGCCT	AATGAAACAC	CAGTTACCTA	AGACCAGAAT	GGAGATCCTC	CTCACTACCT
2584	CTGTTGAATA	CAGCACCTAC	TGAAAGAACT	TTCATTCCCT	GACCATGAAC	AGCCTCTCAG
2644	CTTCTGTTTT	CCTTCCTCAC	AGAAATCCTT	CTATCATGTA	AGCTATGGCC	CACTCCATGA
2704	AGGCTGCATG	GATCAATCTG	TGTCTCTGAG	TATCTCTGAA	ACCTCTAAAA	CATCCAAGCT
2764	TACCTTCAAG	GAGAGCATGG	TGGTAGTAGC	AACCAACGGG	AAGGTTCTGA	AGAAGAGACG
2824	GTTGAGTTTA	AGCCAATCCA	TCAGTATGTA	TGACCTGGAG	GCCATCGCCA	ATGACTCAGA
2884	GGAAGGTAAG	GGGTCAAGCA	CAATAATATC	TTTCTTTTAC	AGTTTTAAGC	AAGTAGGGAC
2944	AGTAGAATTT	AGGGGAARAT	TAAACGTGGA	GTCAGAATAA	CAAGAAGACA	ACCAAGCATT
3004	AGTCTGGTAA	CTATACAGAG	GAAAATTAAT	TTTTATCCTT	CTCCAGGAGG	GAGAAATGAG
3064	CAGTGGCCTG	AATCGAGAAT	ACTTGCTCAC	AGCCATTATT	TCTTAGCCAT	ATTGTAAAGG
3124	TCGTGTGACT	TTTAGCCTTT	CAGGAGAAAG	CAGTAATAAG	ACCACTTACG	AGCTATGTTC
3184	CTCTCATACT	AACTATGCCT	CCTTGGTCAT	GTTACATAAT	CTTTTCGTGA	TTCAGTTTCC
3244	TCTACTGTAA	AATGGAGATA	ATCAGAATCC	CCCACTCATT	GGATTGTTGT	AAAGATTAAG
3304	AGTCTCAGGC	TTTACAGACT	GAGCTAGCTG	GGCCCTCCTG	ACTGTTATAA	AGATTAAATG
3364	AGTCAACATC	CCCTAACTTC	TGGACTAGAA	TAATGTCTGG	TACAAAGTAA	GCACCCAATA
3424	AATGTTAGCT	ATTACTATCA	TTATTATTAT	TATTTTATTT	TTTTTTTTTG	AGATGGAGTC
3484	TGGCTCTGTC	ACCCAGGCTG	GAGTGCAGTG	GCACAATCTC	GGCTCACTGC	AAGCTCTGCC
3544	TCCTGGGTTT	ATGCCATTCT	CCTGCCTCAG	CCTCCCGAGT	AAGCTGGGAA	TACAGGCACC
3604	CGCCACTGTT	CCCGGCTAAT	TTTTTGATTT	TTTAGTAGAG	ACGGAGTTTC	ACCGTGGTCT
3664	CCATCTCCTC	GTGATCCACC	CACCTTGGCC	TCCCAAAGTG	CCGGGATTAC	AGGCGTGAGC
3724	CACCGCGCCC	GGCCTATTAT	TATTATTATT	ACTACTACTA	CTACCTATAT	GAATACTACC
3784	AGCAATACTA	ATTTATTAAAT	GACTGGATTA	TGTCTAAACC	TCACAAGAAT	CCTACCTTCT
3844	CATTTTACAT	AAAAGGAAAC	TAAGCTCATT	GAGATAGGTA	AACTGCCCAA	TGGCATACAT
3904	CTGTAAGTGG	GAGAGCCTCA	AATCTAATTC	AGTTCTACCT	GAGTAAAAAA	ATCATGGTTT
3964	CTCCTCCATC	CCTTTACTGT	ACAAGCCTCC	ACATGAACTA	TAAACCCAAT	ATTCTGTGTT
4024	TTAAGATAAT	ACCTAAGCAA	TAACGCATGT	TCACCTAGAA	GGTTTTAAAA	TGTAACAAAA
4084	TATAAGAAAA	TAAAAATCAC	TCATATCGTC	AGTGAGAGTT	TACTACTGCC	AGCACTATGG
4144	TATGTTTCCT	TAAAATCTTT	GCTATACACA	TACCTACATG	TGAACAAATA	TGTCTAACAT
4204	CAAGACCACA	CTATTTACAA	CTTTATATCC	AGCTTTTCTT	ACTTAGCAAT	GTATTGAGGA
4264	CATTTTAGAG	TGCCCGTTTT	TCACCATTAT	AAGCAATGCA	ACAATGAACA	TCTGTATAAA
4324	TAAATATTCA	TTTCTCTCAC	CCTTTATTTC	CTTAGAATAT	ATTCCTAGAA	GTAGAATTTT
4384	CCAGAGCCAT	GAGGATTTGT	GACGCTATTG	ATATGTGCCA	CTTTGCACTC	TCTGTGACAT
4444	ATATAATTAT	TTTTAATGCA	TTCATTTTTT	TCTCAGAGTG	CATTCGTTTG	AAAACATAGA
4504	CGGGAAATAC	TGGTAGTCTT	CCTTGTCAGT	TAGAAACACC	CAAACAATGA	AAAAAGAAAA

Fig. 3 (cont.)

```

4564 AGTTGCACAA ATAGTCTCTA AAAACAATGA AACTATTGCC TGAGGAATTG AAGTTTAAAA
4624 AGAAGCACAT AAGCAACAAC AAGGATAATC CTAGAAAACC AGTTCCTGCTG ACTGGGTGAT
4684 TTCACTTCTC TTTGCTTCCT CATCTGGATT GGAATATTCC TAATACCCCC TCCAGAACTA
4744 TTTTCCCTGT TTGTACTAGA CTGTGTATAT CATCTGTGTT TGTACATAGA CATTAACTG
4804 CACTTGTGAT CATGGTTTTA GAAATCATCA AGCCTAGGTC ATCACCTTTT AGCTTCCTGA
4864 GCAATGTGAA ATACAACCTT ATGAGGATCA TCAAATACGA ATTCATCCTG AATGACGCCC
4924 TCAATCAAAG TATAATTCGA GCCAATGATC AGTACCTCAC GGCTGCTGCA TTACATAATC
4984 TGGATGAAGC AGGTACATTA AAATGGCACC AGACATTTCT GTCATCCTCC CCTCCTTTCA
5044 TTTACTTATT TATTTATTTT AATCTTTCTG CTTGCAAAAA ACATACCTCT TCAGAGTTCT
5104 GGGTTGCACA ATTCTTCCAG AATAGCTTGA AGCACAGCAC CCCCATAAAA ATCCCAAGCC
5164 AGGGCAGAAG GTTCAACTAA ATCTGGAAGT TCCACAAGAG AGAAGTTTCC TATCTTTGAG
5224 AGTAAAGGGT TGTGCACAAA GCTAGCTGAT GTACTACCTC TTTGGTTCTT TCAGACATTC
5284 TTACCCTCAA TTTTAAACT GAGGAACTG TCAGACATAT TAAATGATTT ACTCAGATTT
5344 ACCCAGAAGC CAATGAAGAA CAATCACTCT CCTTTAAAAA GTCTGTTGAT CAAACTCACA
5404 AGTAACACCA AACCAGGAAG ATCTTTATTA TCTCTGATAA CATATTTGTG AGGCAAAACC
5464 TCCAATAAGC TACAAATATG GCTTAAAGGA TGAAGTTTAG TGTCCAAAAA CTTTTATCAC
5524 ACACATCCAA TTTTCATGGC GGACATGTTT TAGTTTCAAC AGTATACATA TTTTCAAAGG
5584 TCCAGAGAGG CAATTTTGCA ATAAACAAGC AAGACTTTTT CTGATTGGAT GCACTTCAGC
5644 TAACATGCTT TCAACTCTAC ATTTACAAAT TATTTTGTGT TCTATTTTTC TACTTAATAT
5704 TATTTCTGCA ATTTTCCCAA TATTGACATC GTGTATGTAT TTGCCATTTT TAATATCACT
5764 AGACAATTCA ATCAGGTTGC TACGTTGGTC CCTTGGGTTT ACTCTAAATA GCTTGATTGC
5824 AAATATCTTT GTATATATTA TTGTTTTTTC TCCTATCTTG TAATTTCTTT GAGCACATCC
5884 CAAAGAGGAA TGCCTAGATC AATGGGCACA AATAATTTGA CAGCTCTTAT TAAACATTAT
5944 TCTGTAAGTA AAAACTGAAC TACTTTTCAG TATCACTAGC AACATATGAG TGTATCAGCT
6004 TCCTAAACCC CTCCATGTTA GGTCATTATG AACTTATGAT CTAACAAATT ACAGGGTCTT
6064 ATCCCACTAA TGAAATTATA AGAGATTCAA CACTTATTCA GCCCCGAAGG ATTCATTCAA
6124 CGTAGAAAAT TCTAAGAACA TTAACCAAGT ATTTACCTGC CTAGTGAGTG TGGAAGACAT
6184 TGTGAAGGAC ACAAAGATGT ATAGAATTCC ATTCCTGACT TCCAGGTATT TACACCATAG
6244 GTGGGGACCT AACTACACAC ACACACACAC ACACACACAC ACCATGCACA
6304 CACAATCTAC ATCAACACTT GATTTTATAC AAATACAATG AATTTACTTT CTTTTTGGTT
6364 CTTCTCTTCA CCAGTGAAT TTGACATGGG TGCTTATAAG TCATCAAAGG ATGATGCTAA
6424 AATTACCGTG ATTCTAAGAA TCTCAAAAC TCAATTGTAT GTGACTGCCC AAGATGAAGA
6484 CCAACCAGTG CTGCTGAAGG TCAGTTGTCC TTTGTCTCCA ACTTACCTTC ATTTACATCT
6544 CATATGTTTG TAAATAAGCC CAATAGGCAG ACACCTCTAA CAAGGTGACA CTGTCTCTT
6604 TCCTTCCTAC CACAGCCCC ACCTACCCAC CCCACTCCCA TTGATTCCAG AGGCGTGCCT
6664 AGGCAGGATC TATGAGAKAA TATAACAGAG AGTAAGAGGA AAATTACCTT CTTTCTTTTT
6724 CCTTCCCTG CCTGACCTTA TTCACCTCCC ATCCCAGAGC ATCCATTTAT TCCATTGATC
6784 TTTACTGACA TCTATTATCT GACCTACACA ATACTAGACA TTAGGACAAT GTGGCCTGCC
6844 TCCAAGAAAC TCAAATAAGC CAACTGAGAT CAGAGAGGAT TAATCACCTG CCAATGGGCA
6904 CAAAGCAACA AGCTGGGAGC CAAGTCCCAA AATGGGGCCT GCTGCTTCCA GTTCCCCCTC
6964 CTCTGCATTG ATGTCAGCAT TATCCTTCGT CCCAGTCCTG TCTCCACTAC CACTTTCCCC
7024 CTCAAACACA CACACACACA ACAGCCTTAG ATGTTTTCTC CACTGATAAG TAGGTGACTC
7084 AATTTGTAAG TATATAATCC AAGACCTTCT ATTCCCAAGT AGAATTTATG TGCCTGCCTG
7144 TGCTTTTCTA CCTGGATCAA GTGATGTCTA CAGAGTAGGG CAGTAGCTTC ATTCATGAAC
7204 TCATTCAACA AGCATTATTC ACTGAGAGCC TTGTATTTTT CAGGCATAGT GCCAACAGCA
7264 GTGTGGACAG TGGTGCATCA AAGCCTCTAG TCTCATAGAA CTTAGTCTTC TGGAGGATAT
7324 GGAAACAGA CAACCCAAAC AACCAACAAA AGAGCAAGAT GCTGCAAAAA AAAAAAAAT
7384 GAATAGGGTG CTAAGATAGA GAAAAGTGGG AGAGTGCTAT TTAGACAAAG TGGTAAAAAC
7444 AAAGCCCCTT GTGAGATGAG AGCTGCCGAC AGAGGGGGCG GGTGATGGTT GTGGGTTTTT
7504 GGGTAGGACA TTCAGAGGAG GGGGCGGGTC GTGTTGTGG GTTTTTGGGT AGGACATTCA

```

Fig. 3 (cont.)

```

7564 GAGGAGGGGG CGGGTCGTGG TTGTGGGTTT TTGGGTAGGA CATTCAGAGG AGGGGGCGGG
7624 TCGTG GTTGT GGGTTTTTGG GTAGGACATT CAGAGGAGGG GGCGGGTCGT GGTTGTGGGT
7684 TTTTGGGACA TTCAGAGGAG TCTGAATGCA CCCAGGCCTA CAACTTCAAG ATGGTAAAGG
7744 ACAGCTCCAA GGATCAGAAG AAGCATTCTT GGAAGTGGGG CATTTTGAGA AGGAGGAAAA
7804 ATATGCAGAG ACTAGTGCTT GCAGAGCTTG CATTTGGATT TCATTTGAGG TACAATGAAA
7864 ACCCATTAAAT GGGTTTCACA CAGTGCAATG GCCTGACCTC ACTTATATTT CCTAAAATAG
7924 AAAACAGATC AGAAGGAAGG CAATAGAGAA GCAGAAAGTC CAATGAGGAG GTTTCACAGC
7984 AGTCATGGGG GTGGGGTAAG GAAAAGAAGT GGAAAGAAAC AGACAGAATT GGGTTATATT
8044 TTGGAGATAG AACCAACAGA AGGAAGAGGA GAAACAACAT TTAGTGAGAA GGGAAAAAGT
8104 AGGAGAGGAA TAGGTTTGGG AAATAAATCC TGCTGACATT GGAAACCCCA AGGAAGCCTC
8164 AAAAGTATAT TTAGTTGCTT TAGATTTAAA AGAATAGGAA AGAAGCATCT CAACTTGGA
8224 TTTGAAATCT ATTTTCCAT AAAAGTATTG TTAAATCTA CTCATACTCA CAAGAAAAGT
8284 ACATTCTAAA GAGTATATTG AAAGAGTTTA CTGATATACT TAGGAATTTT GTGTGTATGT
8344 GTGTGTGTGT ATGTGTGTGT GTGTGTTTAA CCTTCAATTG TTGACTTAAA TACTGAGATA
8404 AATGTCATCT AAATGCTAAA TTGATTTCCC AAAGGTATGA TTTGTTCACT TGGAGATCAA
8464 AATGTTTAGG GGGCTTAGAA TCACTGTAGT GCTCAGATTT GATGCAAAAT GTCTTAGGCC
8524 TATGTTGAAG GCAGGACAGA AACAAATGTT CCCTCCTACC TGCCTGGATA CAGTAAGATA
8584 CTAGTGTCAC TGACAATCTT CATAACTAAT TTAGATCTCT CTCCAATCAA CTAAGGAAAT
8644 CAACTCTTAT TAATAGACTG GGCCACACAT CTACTAGGCA TGTAATAAAT GCTTGCTGAA
8704 TGAACAAATG AATGAAGAGC CTATAGCATC ATGTTACAGC CATAGTCCTA AAGTGGTGT
8764 TCTCATGAAG GCCAAATGCT AAGGGATTGA GCTTCAGTCC TTTTCTAAC ATCTTGTTCT
8824 CTAACAGAAT TCTCTTCTTT TCTTCATAGG AGATGCCTGA GATACCCAAA ACCATCACAG
8884 GTAGTGAGAC CAACCTCCTC TTCTTCTGGG AAACCTCACGG CACTAAGAAC TATTTACAT
8944 CAGTTGCCCA TCCAAACTTG TTTATTGCCA CAAAGCAAGA CTACTGGGTG TGCTTGGCAG
9004 GGGGGCCACC CTCTATCACT GACTTTCAGA TACTGGAAAA CCAGGCGTAG GTCTGGAGTC
9064 TCACTTGTCT CACTTGTGCA GTGTTGACAG TTCATATGTA CCATGTACAT GAAGAAGCTA
9124 AATCCTTTAC TGTTAGTCAT TTGCTGAGCA TGTACTGAGC CTTGTAATTC TAAATGAATG
9184 TTTACACTCT TTGTAAGAGT GGAACCAACA CTAACATATA ATGTTGTTAT TTAAAGAACA
9244 CCCTATATTT TGCATAGTAC CAATCATTTT AATTATTATT CTTCATAACA ATTTTAGGAG
9304 GACCAGAGCT ACTGACTATG GCTACCAAAA AGACTCTACC CATATTACAG ATGGGCAAAT
9364 TAAGGCATAA GAAAACATAAG AAATATGCAC AATAGCAGTT GAAACAAGAA GCCACAGACC
9424 TAGGATTTCA TGATTTTCATT TCAACTGTTT GCCTTCTGCT TTTAAGTTGC TGATGAACCTC
9484 TTAATCAAAT AGCATAAGTT TCTGGGACCT CAGTTTATC ATTTTCAAAA TGGAGGGAAT
9544 AATACCTAAG CCTTCCTGCC GCAACAGTTT TTTATGCTAA TCAGGGAGGT CATTTTGGA
9604 AAATACTTCT CGAAGCCGAG CCTCAAGATG AAGGCAAAGC ACGAAATGTT ATTTTTTAAT
9664 TATTATTTAT ATATGTATTT ATAAATATAT TTAAGATAAT TATAATATAC TATATTTATG
9724 GGAACCCCTT CATCCTCTGA GTGTGACCAG GCATCCTCCA CAATAGCAGA CAGTGTTTTC
9784 TGGGATAAGT AAGTTTGATT TCATTAATAC AGGGCATTTT GGTCCAAGTT GTGCTTATCC
9844 CATAGCCAGG AACTCTGCA TTCTAGTACT TGGGAGACCT GTAATCATAT AATAAATGTA
9904 CATTAAATTAC CTTGAGCCAG TAATTGGTCC GATCTTTGAC TCTTTTGCCA TTAACTTAC
9964 CTGGGCATTC TTGTTTCATT CAATTCCACC TGCAATCAAG TCCTACAAGC TAAAATTAGA
10024 TGAACCAAC TTTGACAACC ATGAGACCAC TGTTATCAAA ACTTTCTTTT CTGGAATGTA
10084 ATCAATGTTT CTTCTAGGTT CTAATAATTTG TGATCAGACC ATAATGTTAC ATTATTATCA
10144 ACAATAGTGA TTGATAGAGT GTTATCAGTC ATAATAAAT AAAGCTTGCA ACAAATTTCT
10204 CTGACACATA GTTATTCATT GCCTTAATCA TTATTTTACT GCATGGTAAT TAGGGACAAA
10264 TGGTAAATGT TTACATAAAT AATTGTATTT AGTGTTACTT TATAAATCA AACCAAGATT
10324 TTATATTTTT TTCTCCTCTT TGTTAGCTGC CAGTATGCAT AAATGGCATT AAGAATGATA
10384 ATATTTCCGG GTTCACTTAA AGCTCATATT ACACATACAC AAAACATGTG TTCCCATCTT
10444 TATACAAACT CACACATACA GAGCTACATT AAAACAACCT AATAGGCCAG GCACGGTGGC
10504 TCAGACCTGT AATCCAGCA CTTTGGGAGG

```

Fig. 3 (cont.)

-1933	AGAAAGAAAG	AGAGAGAGAA	AGAAAAGAAA	GAGGAAGGAA	GGAAGGAAGG	AAGAAAGACA
-1873	GGCTCTGAGG	AAGGTGGCAG	TTCCTACAAC	GGGAGAACCA	GTGGTTAATT	TGCAAAGTGG
-1813	ATCCTGTGGA	GGCANNCAGA	GGAGTCCCCT	AGGCCACCCA	GACAGGGCTT	TTAGCTATCT
-1753	GCAGGCCAGA	CACCAAATTT	CAGGAGGGCT	CAGTGTTAGG	AATGGATTAT	GGCTTATCAA
-1693	ATTCACAGGA	AACTAACATG	TTGAACAGCT	TTAGATTTC	CTGTGGAAAA	TATAACTTAC
-1633	TAAAGATGGA	GTTCTTGTGA	CTGACTCCTG	ATATCAAGAT	ACTGGGAGCC	AAATTAAGAA
-1573	TCAGAAGGCT	GCTTGGAGAG	CAAGTCCATG	AAATGCTCTT	TTTCCCACAG	TAGAACCCTAT
-1513	TTCCCTCGTG	TCTCAAATAC	TTGCACAGAG	GCTCACTCCC	TTGGATAATG	CAGAGCGAGC
-1453	ACGATACCTG	GCACATACTA	ATTTGAATAA	AATGCTGTCA	AATTCCCATT	CACCCATTCA
-1393	AGCAGCAAAC	TCTATCTCAC	CTGAATGTAC	ATGCCAGGCA	CTGTGCTAGA	CTTGGCTCAA
-1333	AAAGATTTCA	GTTTCCTGGA	GGAACCAGGA	GGGCAAGGTT	TCAACTCAGT	GCTATAAGAA
-1273	GTGTTACAGG	CTGGACACGG	TGGCTCACGC	CTGTAATCCC	AACATTTGGG	AGGCCGAGGC
-1213	GGGCAGATCA	CAAGGTCAGG	AGATCGAGAC	CATCCTGGCT	AACATGGTGA	AACCCTGTCT
-1153	CTACTAAAAA	TACAAAAAAT	TAGCCGGGCG	TTGGCGGCAG	GTGCCTGTAG	TCCCAGCTGC
-1093	TGGGGAGGCT	GAGGCAGGAG	AATGGTGTGA	ACCCGGGAGG	CGGAACTTGC	AGGGGGCCGA
-1033	GATCGTGCCA	CTGCACTCCA	GCCTGGGCGA	CAGAGTGAGA	CTCTGTCTCA	AAAAAAAAAA
-973	AAAAGTGTTA	TGATGCAGAC	CTGTCAAAGA	GGCAAAGGAG	GGTGTTCCTA	CACTCCAGGC
-913	ACTGTTCATA	ACCTGGACTC	TCATTCAATC	TACAAATGGA	GGGCTCCCCCT	GGGCAGATCC
-853	CTGGAGCAGG	CACTTTGCTG	GTGTCTCGGT	TAAAGAGAAA	CTGATAACTC	TTGGTATTAC
-793	CAAGAGATAG	AGTCTCAGAT	GGATATTCTT	ACAGAAACAA	TATTCCCCT	TTTCAGAGTT
-733	CACCAAAAAA	TCATTTTAGG	CAGAGCTCAT	CTGGCATTGA	TCTGGTTCAT	CCATGAGATT
-673	GGCTAGGGTA	ACAGCACCTG	GTCTTGCAAG	GTTGTGTGAG	CTTATCTCCA	GGGTTGCCCC
-613	AACTCCGTCA	GGAGCCTGAA	CCCTGCATAC	CGTATGTTCT	CTGCCCCAGC	CAAGAAAGGT
-553	CAATTTTCTC	CTCAGAGGCT	CCTGCAATTG	ACAGAGAGCT	CCCAGGGCAG	AGAACAGCAC
-493	CCAAGGTAGA	GACCCACACC	CTCAATACAG	ACAGGGAGGG	CTATTGGCCC	TTCATTGTAC
-433	CCATTTATCC	ATCTGTAAGT	GGGAAGATTC	CTAAACTTAA	GTACAAAGAA	GTGAATGAAG
-373	AAAAGTATGT	GCATGTATAA	ATCTGTGTGT	CTTCCACTTT	GTCCCACATA	TACTAAATTT
-313	AAACATTCTT	CTAACGTGGG	AAAATCCAGT	ATTTTAATGT	GGACATCAAC	TGCACAACGA
-253	TTGTCAAGAA	AACAATGCAT	ATTTGCATGG	TGATACATTT	GCAAAATGTG	TCATAGTTTG
-193	CTACTCCTTG	CCCTTCCATG	AACCAGAGAA	TTATCTCAGT	TTATTAGTCC	CCTCCCCTAA
-133	GAAGCTTCCA	CCAATACTCT	TTTCCCCTTT	CCTTTAACTT	GATTGTGAAA	TCAGGTATTC
-73	AACAGAGAAA	TTTCTCAGCC	TCCTACTTCT	GCTTTTGAAA	GCTATAAAAA	CAGCGAGGGA
-13	GAACTGGCA	GATACCAAAC	CTCTTCGAGG	CACAAGGCAC	AACAGGCTGC	TCTGGGATTC
48	TCTTCAGCCA	ATCTTCATTG	CTCAAGTATG	ACTTTAATCT	TCCTTACAAC	TAGGTGCTAA
108	GGGAGTCTCT	CTGTCTCTCT	GCCTCTTTGT	GTGTATGCAT	ATTCTCTCTC	TCTCTCTCTT
168	TCTTTCTCTG	TCTCTCCTCT	CCTTCCTCTC	TGCCTCCTCT	CTCAGCTTTT	TGCAAAAATG
228	CCAGGTGTAA	TATAATGCTT	ATGACTCGGG	AAATATTCTG	GGAATGGATA	CTGCTTATCT
288	AACAGCTGAC	ACCTTAAAGG	TTAGTGTCAA	AGCCTCTGCT	CCAGCTCTCC	TAGCCAATAC
238	ATTGCTAGTT	GGGGTTTGGT	TTAGCAAATG	CTTTTCTCTA	GACCCAAAGG	ACTTCTCTTT
308	CACACATTCA	TTCATTTACT	CAGAGATCAT	TTCTTTGTCAT	GACTGCCATG	CACTGGATGC
468	TGAGAGAAAT	CACACATGAA	CGTAGCCGTC	ATGGGGAAGT	CACTCATTTT	CTCCTTTTTTA
528	CACAGGTGTC	TGAAGCAGCC	ATGGCAGAAG	TACCTGAGCT	CGCCAGTGAA	ATGATGGCTT
588	ATTACAGGTC	AGTGGAGACG	CTGAGACCAG	TAACATGAGC	AGGTCTCCTC	TTTCAAGAGT
648	AGAGTGTAT	CTGTGCTTGG	AGACCAGATT	TTTCCCCTAA	ATTGCCTCTT	TCAGTGGCAA
708	ACAGGGTGCC	AAGTAAATCT	GATTTAAAGA	CTACTTTCCC	ATTACAAGTC	CCTCCAGCCT
768	TGGGACCTGG	AGGCTATCCA	GATGTGTTGT	TGCAAGGGCT	TCCTGCAGAG	GCAAATGGGG
828	AGAAAAGATT	CCAAGCCCAC	AATACAAGGA	ATCCCTTTGC	AAAGTGTGGC	TTGGAGGGAG
888	AGGGAGAGCT	CAGATTTTAG	CTGACTCTGC	TGGGCTAGAG	GTTAGGCCTC	AAGATCCAAC
948	AGGGAGCACC	AGGGTGCCCA	CCTGCCAGGC	CTAGAATCTG	CCTTCTGGAC	TGTTCTGCGC

Fig. 4

```

1008 ATATCACTGT GAAACTTGCC AGGTGTTTCA GGCAGCTTTG AGAGGCAGGC TGTTCGAGT
1068 TTCTTATGAA CAGTCAAGTC TTGTACACAG GGAAGGAAAA ATAAACCTGT TTAGAAGACA
1128 TAATTGAGAC ATGTCCCTGT TTTTATTACA GTGGCAATGA GGATGACTTG TTCTTTGAAG
1188 CTGATGGCCC TAAACAGATG AAGGTAAGAC TATGGGTTTA ACTCCCAACC CAAGGAAGGG
1248 CTCTAACACA GGGAAAGCTC AAAGAAGGGA GTTCTGGGCC ACTTTGATGC CATGGTATTT
1308 TGTTTTAGAA AGACTTTAAC CTCTTCCAGT GAGACACAGG CTGCACCACT TGCTGACCTG
1368 GCCACTTGGT CATCATATCA CCACAGTCAC TCACTAACGT TGGTGGTGGT GGCCACACTT
1428 GGTGGTGACA GGGGAGGAGT AGTGATAATG TTCCCATTTC ATAGTAGGAA GACAACCAAG
1488 TCTTCAACAT AAATTTGATT ATCCTTTTAA GAGATGGATT CAGCCTATGC CAATCACTTG
1548 AGTTAAACTC TGAAACCAAG AGATGATCTT GAGAACTAAC ATATGTCTAC CCCTTTTGAG
1608 TAGAATAGTT TTTTGCTACC TGGGGTGAAG CTTATAACAA CAAGACATAG ATGATATAAA
1668 CAAAAAGATG AATTGAGACT TGAAAGAAAA CCATTCACTT GCTGTTTGAC CTTGACAAGT
1728 CATTTTACCC GCTTTGGACC TCATCTGAAA AATAAAGGGC TGAGCTGGAT GATCTCTGAG
1788 ATTCCAGCAT CCTGCAACCT CCAGTCTCTGA AATATTTTCA GTTGTAGCTA AGGGCATTTG
1848 GGCAGCAAAAT GGTCATTTTT CAGACTCATC CTTACAAAGA GCCATGTTAT ATTCTGCTG
1908 TCCCTTCTGT TTTATATGAT GCTCAGTAGC CTTCTAGGT GCCCAGCCAT CAGCCTAGCT
1968 AGGTCAGTTG TGCAGGTTGG AGGCAGCCAC TTTTCTCTGG CTTTATTTTA TTCCAGTTTG
2028 TGATAGCCTC CCCTAGCCTC ATAATCCAGT CCTCAATCTT GTTAAAAACA TATTTCTTTA
2088 GAAGTTTTAA GACTGGCATA ACTTCTTGGC TGCAGCTGTG GGAGGAGCCC ATTGGCTTGT
2148 CTGCCTGGCC TTTGCCCCCC ATTGCCTCTT CCAGCAGCTT GGCTCTGCTC CAGGCAGGAA
2208 ATTCTCTCCT GCTCAACTTT CTTTTGTGCA CTTACAGGTC TCTTTAACTG TCTTCAAGC
2268 CTTTGAACCA TTATCAGCCT TAAGGCAACC TCAGTGAAGC CTTAATACGG AGCTTCTCTG
2328 AATAAGAGGA AAGTGGTAAAC ATTTCAAAA AAGTACTCTC ACAGGATTTG CAGAATGCCT
2388 ATGAGACAGT GTTATGAAAA AGGAAAAAAA AGAACAGTGT AGAAAAATTG AATACTTGCT
2448 GAGTGAGCAT AGGTGAATGG AAAATGTTAT GGTCATCTGC ATGAAAAAGC AAATCATAGT
2508 GTGACAGCAT TAGGGATACA AAAAGATATA GAGAAGGTAT ACATGTATGG TGTAGGTGGG
2568 GCATGTACAA AAAGATGACA AGTAGAATCG GGATTTATTC TAAAGAATAG CCTGTAAGGT
2628 GTCCAGAAGC CACATTCTAG TCTTGAGTCT GCCTCTACCT GCTGTGTGCC CTTGAGTACA
2688 CCCTTAACCT CCTTGAGCTT CAGAGAGGGA TAATCTTTTT ATTTTATTTT ATTTTATTTT
2748 GTTTTGTTTT GTTTTGTTTT GTTTTATGAG ACAGAGTCTC ACTCTGTTGC CCAGGCTGGA
2808 GTGCAGTGGT ACAATCTTGG CTTACTGCAT CCTCCACCTC CTGAGTTCAA GCGATTCTCC
2868 TTCCTCAGTC TCCTGAATAG CTAGGATTAC AGGTGCACCC CACCACACCC AGCTAATTTT
2928 TGTATTTTTA GTAGAGAAGG GGTTCGCCA TGTTGGCCAG GCTGGTTTTG AAGTCCTGAC
2988 CTAAATGATT CATCCACCTC GGCTTCCCAA AGTGCTGGGA TTACAGGCAT GAGCCACCAC
3048 GCCTGGCCCA GAGAGGGATG ATCTTTAGAA GCTCGGGATT CTTTCAAGCC CTTTCTCCT
3108 CTCTGAGCTT TCTACTCTCT GATGTCAAAG CATGGTTCCT GGCAGGACCA CCTCACCAGG
3168 CTCCCTCCCT CGCTCTCTCC GCAGTGCTCC TTCCAGGACC TGGACCTCTG CCCTCTGCAT
3228 GGCGGCATCC AGCTACGAAT CTCCGACCAC CACTACAGCA AGGGCTTCAG GCAGGCCGCG
3288 TCAGTTGTTG TGGCCATGGA CAAGCTGAGG AAGATGCTGG TTCCCTGCCC ACAGACCTTC
3348 CAGGAGAATG ACCTGAGCAC CTTCTTTCCC TTCATCTTTG AAGAAGGTAG TTAGCCAAGA
3408 GCAGGCAGTA GATCTCCACT TGTGTCCTCT TGGAAGTCAT CAAGCCCCAG CCAACTCAAT
3468 TCCCCCAGAG CCAAAGCCCT TTAAAGGTAG AAGGCCCAGC GGGGAGACAA AACAAAGAAG
3528 GCTGGAAACC AAAGCAATCA TCTCTTTAGT GGAAACTATT CTTAAAGAAG ATCTTGATGG
3588 CTA CTGACAT TTGCAACTCC CTCACTCTTT CTCAGGGGCC TTTCACTTAC ATTGTCACCA
3648 GAGGTTTCGTA ACCTCCCTGT GGGCTAGTGT TATGACCATC ACCATTTTAC CTAAGTAGCT
3708 CTGTTGCTCG GCCACAGTGA GCAGTAATAG ACCTGAAGCT GGAACCCATG TCTAATAGTG
3768 TCAGGTCCAG TGTTCTTAGC CACCCCACTC CCAGCTTCAT CCCTACTGGT GTTGTCTATCA
3828 GACTTTGACC GTATATGCTC AGGTGTCCTC CAAGAAATCA AATTTTGCCA CCTCGCCTCA
3888 CGAGGCCTGC CTTTCTGATT TTATACCTAA ACAACATGTG CTCCACATTT CAGAACCTAT
3948 CTTCTTCGAC ACATGGGATA ACGAGGCTTA TGTGCACGAT GCACCTGTAC GATCACTGAA

```

Fig. 4 (cont.)



4008	CTGCACGCTC	CGGGACTCAC	AGCAAAAAAG	CTTGGTGATG	TCTGGTCCAT	ATGAACTGAA
4068	AGCTCTCCAC	CTCCAGGGAC	AGGATATGGA	GCAACAAGGT	AAATGGAAAC	ATCCTGGTTT
4128	CCCTGCCCTG	CCTCCTGGCA	GCTTGCTAAT	TCTCCATGTT	TTAAACAAAG	TAGAAAGTTA
4188	ATTTAAGGCA	AATGATCAAC	ACAAGTGAAA	AAAAATATTA	AAAAGGAATA	TACAAACTTT
4248	GGTCCTAGAA	ATGGCACATT	TGATTGCACT	GGCCAGTGCA	TTTGTTAACA	GGAGTGTGAC
4308	CCTGAGAAAT	TAGACGGCTC	AAGCACTCCC	AGGACCATGT	CCACCCAAGT	CTCTTGGGCA
4368	TAGTGCAGTG	TCAATTCTTC	CACAATATGG	GGTCATTGTA	TGGACATGGC	CTAACTGCCT
4428	GTGGGTTCTC	TCTTCCTGTT	GTTGAGGCTG	AAACAAGAGT	GCTGGAGCGA	TAATGTGTCC
4488	ATCCCCCTCC	CCAGTCTTCC	CCCCTTGCCC	CAACATCCGT	CCCACCCAAT	GCCAGGTGGT
4548	TCCTTGTAGG	GAAATTTTAC	CGCCCAGCAG	GAAC TTATAT	CTCTCCGCTG	TAACGGGGCAA
4608	AAGTTTCAAG	TGCGGTGAAC	CCATCATTAG	CTGTGGTGAT	CTGCCTGGCA	TCGTGCCACA
4668	GTAGCCAAAG	CCTCTGCACA	GGAGTGTGGG	CAACTAAGGC	TGCTGACTTT	GAAGGACAGC
4728	CTCACTCAGG	GGGAAGCTAT	TTGCTCTCAG	CCAGGCCAAG	AAAATCCTGT	TTCTTTTGAA
4788	TCGGGTAGTA	AGAGTGATCC	CAGGGCCTCC	AATTGACACT	GCTGTGACTG	AGGAAGATCA
4848	AAATGAGTGT	CTCTCTTTGG	AGCCACTTTC	CCAGCTCAGC	CTCTCCTCTC	CCAGTTTCTT
4908	CCCATGGGCT	ACTCTCTGTT	CCTGAAACAG	TTCTGGTGCC	TGATTTCTGG	CAGAAGTACA
4968	GCTTCACCTC	TTTCCTTTCC	TTCCACATTG	ATCAAGTTGT	TCCGCTCCTG	TGGATGGGCA
5028	CATTGCCAGC	CAGTGACACA	ATGGCTTCCT	TCCTTCCTTC	CTTCAGCATT	TAAATGTAG
5088	ACCCTCTTTC	ATTCTCCGTT	CCTACTGCTA	TGAGGCTCTG	AGAAACCCTC	AGGCCTTTGA
5148	GGGGAAACCC	TAAATCAACA	AAATGACCCT	GCTATTGTCT	GTGAGAAGTC	AAGTTATCCT
5208	GTGTCTTAGG	CCAAGGAACC	TCACTGTGGG	TTCCACAGA	GGCTACCAAT	TACATGTATC
5268	CTACTCTCGG	GGCTAGGGGT	TGGGGTGACC	CTGCATGCTG	TGTCCCTAAC	CACAAGACCC
5328	CCTTCTTTCT	TCAGTGGTGT	TCTCCATGTC	CTTTGTACAA	GGAGAAGAAA	GTAATGACAA
5388	AATACCTGTG	GCCTTGGGCC	TCAAGGAAAA	GAATCTGTAC	CTGTCTGCG	TGTTGAAAGA
5448	TGATAAGCCC	ACTCTACAGC	TGGAGGTAAG	TGAATGCTAT	GGAATGAAGC	CCTTCTCAGC
5508	CTCCTGCTAC	CAC TTATTCC	CAGACAATTC	ACCTTCTCCC	CGCCCCCATC	CCTAGGAAAA
5568	GCTGGGAACA	GGTCTATTTG	ACAAGTTTTG	CATTAATGTA	AATAAATTTA	ACATAATTTT
5628	TAAGTGCCTG	CAACCTTCAA	TCCTGCTGCA	GAAAATTAAA	TCATTTTGCC	GATGTTATTA
5688	TGTCCTACCA	TAGTTACAAC	CCCAACAGAT	TATATATTGT	TAGGGCTGCT	CTCATTTGAT
5748	AGACACCTTG	GGAAATAGAT	GACTTAAAGG	GTCCCATAT	CACGTCCACT	CCACTCCCAA
5808	AATCACCACC	ACTATCACCT	CCAGCTTTCT	CAGCAAAAAG	TTCATTTCCA	AGTTGATGTC
5868	ATTCTAGGAC	CATAAGGAAA	AATACAATAA	AAAGCCCCTG	GAAACTAGGT	ACTTCAAGAA
5928	GCTCTAGCTT	AATTTTCACC	CCCCCAAAAA	AAAAAAATTC	TCACCTACAT	TATGCTCCTC
5988	AGCATTTGGC	ACTAAGTTTT	AGAAAAGAAG	AAGGGCTCTT	TTAATAATCA	CACAGAAAGT
6048	TGGGGGCCCA	GTTACAACCT	AGGAGTCTGG	CTCCTGATCA	TGTGACCTGC	TCGTGAGTTT
6108	CCTTTCTGGC	CAACCCAAAG	AACATCTTTC	CCATAGGCAT	CTTTGTCCCT	TGCCCCACAA
6168	AAATTCCTTCT	TTCTCTTTTCG	CTGCAGAGTG	TAGATCCCAA	AAATTACCCA	AAGAAGAAGA
6228	TGGAAAAGCG	ATTTGTCTTC	AACAAGATAG	AAATCAATAA	CAAGCTGGAA	TTTGAGTCTG
6288	CCCAGTTCCC	CAACTGGTAC	ATCAGCACCT	CTCAAGCAGA	AAACATGCCC	GTCTTCCTGG
6348	GAGGGACCAA	AGGCGGCCAG	GATATAACTG	ACTTCACCAT	GCAATTTGTG	TCTTCCTAAA
6408	GAGAGCTGTA	CCCAGAGAGT	CCTGTGCTGA	ATGTGGACTC	AATCCCTAGG	GCTGGCAGAA
6468	AGGGAACAGA	AAGGTTTTTG	AGTACGGCTA	TAGCCTGGAC	TTTCCTGTTG	TCTACACCAA
6528	TGCCCAACTG	CCTGCCTTAG	GGTAGTGCTA	AGAGGATCTC	CTGTCCATCA	GCCAGGACAG
6588	TCAGCTCTCT	CCTTTCAGGG	CCAATCCCCA	GCCCTTTTGT	TGAGCCAGGC	CTCTCTCACC
6648	TCTCCTACTC	ACTTAAAGCC	CGCCTGACAG	AAACCACGGC	CACATTTGGT	TCTAAGAAAC
6708	CCTCTGTCAT	TCGCTCCAC	ATTCTGATGA	GCAACCGCTT	CCCTATTTAT	TTATTTATTT
6768	GTTTGTGTTG	TTTGATTCAT	TGGTCTAATT	TATTCAAAGG	GGGCAAGAAG	TAGCAGTGTC
6828	TGTAAGAGAG	CCTAGTTTTT	AATAGCTATG	GAATCAATTC	AATTTGGACT	GGTGTGCTCT
6888	CTTTAAATCA	AGTCCTTTAA	TTAAGACTGA	AAATATATAA	GCTCAGATTA	TTTAAATGGG
6948	AATATTTATA	AATGAGCAAA	TATCATACTG	TTCAATGGTT	CTGAAATAAA	CTTCACTGAA

Fig. 4 (cont.)

7008 GAAAAAAAAA AAAGGGTCTC TCCTGATCAT TGACTGTCTG GATTGACACT GACAGTAAGC  
7068 AAACAGGCTG TGAGAGTTCT TGGGACTAAG CCCACTCCTC ATTGCTGAGT GCTGCAAGTA  
7128 CCTAGAAATA TCCTTGGCCA CCGAAGACTA TCCTCCTCAC CCATCCCCTT TATTTGTTG  
7188 TTCAACAGAA GGATATTCAG TGCACATCTG GAACAGGATC AGCTGAAGCA CTGCAGGGAG  
7248 TCAGGACTGG TAGTAACAGC TACCATGATT TATCTATCAA TGCACCAAAC ATCTGTTGAG  
7308 CAAGCGCTAT GTACTAGGAG CTGGGAGTAC AGAGATGAGA ACAGTCACAA GTCCCTCCTC  
7368 AGATAGGAGA GGCAGCTAGT TATAAGCAGA ACAAGGTAAC ATGACAAGTA GAGTAAGATA  
7428 GAAGAACGAA GAGGAGTAGC CAGGAAGGAG GGAGGAGAAC GACATAAGAA TCAAGCCTAA  
7488 AGGGATAAAC AGAAGATTTT CACACATGGG CTGGGCCAAT TGGGTGTCGG TTACGCCTGT  
7548 AATCCCAGCA CTTTGGGTGG CAGGGGCAGA AAGATCGCTT GAGCCCAGGA GTTCAAGACC  
7608 AGCCTGGGCA ACATAGTGAG ACTCCCATCT CTACAAAAAA TAAATAAATA AATAAAACAA  
7668 TCAGCCAGGC ATGCTGGCAT GCACCTGTAG TCCTAGCTAC TTGGGAAGCT GACACTGGAG  
7728 GATTGCTTGA GCCCAGAAGT TCAAGACTGC AGTGAGCTTA TCCGTTGACC TGCAGGTCGA  
7788 C

Fig. 4 (cont.)

```

-5988 GTCGACCTGC AGGTCAACGG ATCTGAGAGG AGAGTAGCTT CTTGTAGATA ACAGTTGGAT
-5928 TATATACCAT GTCCTGATCC CCTTCATCAT CCAGGAGAGC AGAGGTGGTC ACCCTGATAG
-5868 CAGCAAGCCT GGGGGCTGCA GCTTGGTGGG TAGAGGTACT CAGGGGTACA GATGTCTCCA
-5808 AACCTGTCCT GCTGCCTTAG GGAGCTTCTA ATAAGTTGAT GGATTTGGTT AAAATTAACT
-5748 TGGCTACTTG GCAGGACTGG GTCAGTGAGG ACCAACAAAA AGAAGACATC AGATTATACC
-5688 CTGGGGGTTT GTATTTCTTG TGTTCCTTTC TCTTCTTTGT ACTAAAATAT TTACCCATGA
-5628 CTGGGAAAGA GCAACTGGAG TCTTTGTAGC ATTATCTTAG CAAAAATTTA CAAAGTTTGG
-5568 AAAACAATAT TGCCCATATT GTGTGGTGTG TCCTGTGACA CTCAGGATTC AAGTGTGGC
-5508 CGAAGCCACT AAATGTGAGA TGAAGCCATT ACAAGGCAGT GTGCACATCT GTCCACCCAA
-5448 GCTGGATGCC AACATTTTAC AAATAGTGCT TGCCTGACAC AAATGCAGTT CCAGGAGGCC
-5388 CAAATGAAAA TGTTCGTAAG GAAATTTGTT AAAGCTTCCC GACAAACTAG ATTTATCAGT
-5328 AAGGATTGTT TTCTGCAAGG GGGATGAAAC TTGTGGGGTG AGCCATTTGG GCTGAGGAGG
-5268 AGGGAGGTTG GAGCTGAGAA ATGTGGAGAC AATTTCCCTT TAGAAGGACT GAATCTCCCT
-5208 GCCTCTCTGG GGTGCGGCAG CCAGCAGGAT CCAATGGTGT ATATGTCTCC CCAGCTCCCC
-5148 ATTCAGTGAT ATCATGTCAG TAGCTTGAAA TTATCCGTGG TGGGAGTATT ATGTCATGGA
-5088 AATTGGCAAA TGGAACTTTT TATTGGAGAT TCAATTGTTA AACTTTTACC AGCACAACAC
-5028 TGCCCTGCCT TCAGAGTCAA TGACCCTATC CAAGTTTAAT CCATCTGTCC ACTGTCTCCA
-4968 ACACGATCTT TATAAACAC ACCTGACAAC ATTACCCTTT TATTCAGTTT TTTAAAAGAT
-4908 AAGTTTCCAG CTCATCGGGG TGGCTTTAAA GGCCATTTCT CCTCTGGACC TCACCCAACT
-4848 TTTCAAATCA CTTTTCTTAC CCCTACCTCT AAATGCTACT CAAACTCCAG CCATCTGAA
-4788 TAATAAGACT TTTGAAAAGT AGATTATGGG CTGGGCACAG TGGCTCACAC CTGTAATCCC
-4728 AGCACTTTGG GAGGCCAAGA TGGGTGGATC ACCTGAGGTC GGGAGTTCGA GACCAGCCTG
-4668 ACTAACATAG TGAAACCCTG TCTCTACTAA AAATACAAAA TTAGTTGGGG GTGGTGGCAC
-4608 AAGCCTGTAA TCCCAGCTAC TCAGGAGGTT GAGGCAGGGG AATTGCTTGA ACCTGGGAGG
-4548 CGGAGGTTGC GGTGAGCCTA GATTGCTCCA CTGCACTCCA GCCTGGGCAA CAAGAGCGAA
-4488 ACTCCATCTC AAAAAAATAA ATAAATAAAT AAAGTAGATT ACATCAGATA CCTCTGGCCT
-4428 AGGTTGTTTA TGACCAACTC TCCTGCTGAG AATAACTAGA AAAGCTAGAC AAAACATATT
-4368 TCCAAAAGAT CTCTTTGGAG GCATCAGAGA ATGGCCAAGG CTGTAAGGAA CTGCCTGAGC
-4308 CCAGAGAGGT GGAGCCAGC ACTGGTGCCC TTTACTCCTG GGGACATGTG CTGGTTTCAA
-4248 AAACCTCAGC TGAGCTTTTG AGCATTTCAT GAACTTGGTG GGGGAGATGA AATTTGTACC
-4188 TTAAATCCTG CCTACAGGGA GGGTCCCTGA TAATCCCCAC CCAATTGGA AATCTGGGTC
-4128 AGCCTTCACA GGTACTGAAG CCCTCCTCTG AATGATCTCA AGTCCTGCTA GGGTAGAGGT
-4068 TACCTGCTTT TGAAAGGCTC CTGGCCTACC TGTGCAGCAG GAGCAAAAGT GAACCATCTC
-4008 AGGGTACAGA TAACAATCAT CCAGAGCCTT GAATGACCTC TACTGTGCTT AATATATAGT
-3948 ATTCAGCAGT CAGTAAAAAG GATTTAGGCA CATGCAAGAT GACCTGTGTA TCAGGGAGAA
-3888 ATAGGCAATA AATTGAGATC CAGCAGGGAT TTGAATCATG GATTTGAATC AGGGGCAGCC
-3828 TTCGAAAGAA CTATGGAGAA TATACTCAGA TTTAAAACAT AAGATTGGAA TTTTGGCAG
-3768 AGAACTAACA ACTGTACAAA AAAGGAACCA AATGGAAATC CTAGAACTGA AAGATGCAAT
-3708 TAACCGATGT TGAGAAATAG CCAACATCTA TTGAACACTT CCCATGTGGA CAGCTGTGCT
-3648 AAACACTTTA CAGGCATCAA CATAAGATGT GTCCCCTTAC AGCAGTGCAG TGTCCCTCCT
-3588 AAGACATGGA CAGCCTGGTT TCCCTATCTC TCTGCTTCAT CAAAACCCCT TTACGTGGGG
-3528 CTTAGACACT CCTGTTGTCT CTAGTGTCTA GTAGCACAGG GCTCAGCACA TGGGAAGCCAC
-3468 TAGATACAAT TTGATGACCA GGACCTCCGA TGAAAGCCAT GGGTGCTGAT TGGGAAGGCA
-3408 TTGTCTTTTA TGTGCTATGG TCTTAAAGCT TCATCCAGGA AGCAGAACTC GGGGGGTGCT
-3348 GAGGACCCAG AACCGAGAAT AAGATTAGTC AGAGATTTCC TGTGGGCAGA AATCATAAGG
-3288 ACGCCAACTG TTTGGGTGAG ATAAGACGAA ACCAAGAGTG GACTTGTGGC CAGAAGCGTG
-3228 AGGAAGAGGG AGAGAGCTTC CTTGTCCCC TTTCTTCCTC TCCCTAAGCC ACAGTGATTG
-3168 ACAGCCCCCC CGCTTTGGAG TCAGAGCAGG CTTGAGACTG GACTGGGAAA GGAGGGTGGG
-3108 TCAGGATACA GAGCAGGAAG GCTGGGAGTG CAGGGCAGGA GCAAGGGGCT GGGGCATTCA
-3048 TTGTGCCTGA TCTCTCCAC TTTACCTGGG GTAAAGAAGC ATATGCAAAA GCCACGGTGT

```

Fig. 5

-2988 GAGTATTTCC CAAGTGCCAG GGTGAGGGCA TGATTCATCA CGTGCAGCAT TTCATTCAAT  
 -2928 CCTTATAGTA ACCGATGATG TGGCTTCTAT TATTAGCTCT ATCAGATAAT GAAACTGAGA  
 -2868 CCAAGACAGG CTCTGCACAT TGTGTGGGGT AATGACACAG GGGGATTCAG ACCTAGACTC  
 -2808 CATAACTCCT GCCCCAGGGA CCACCCCCAC CCTCACCTG TGCATGTCGA CAAAGGACAG  
 -2748 ACTGGGCCAC TTCTCAGGAC ACAGCGGGGA AATGACACAG AGCAGGGAGG TTCCAGGAGC  
 -2688 CCCGAGCGTC TTTTCTCCAG GAGAATACTC TCTGAATTCA GACTGGGGTC AGAGAAACAT  
 -2628 TTACCCAGGA GCCGCAGTGT GGGTGGGGCT TTTTACTTGA AACGCTGTCT GAAGGCAGTG  
 -2568 GCAGGATGAA CTCTCCACCC TACCTTGGCA AGCCACTTCT CTTCTGCAAT CTGTAAGGAC  
 -2508 ATTGTTGAGA GAATTATGGT CTTCCAATTC CGGAGGGTTG AAGAAAGACA AATAGGAGAG  
 -2448 AACCTATCAT AGTCAGGTGC TAGCTGCCTT CTCTTTCAGA GAGTGTGAGA ATAAAGTGAT  
 -2388 ACACTTGATT ATTAGCAAAT ACTTTGGAAA TTTTAAACGC TAATATTCAA CACACTCTGG  
 -2328 AAGAGGCAAA TAAGTAGACA GGTTCAATATA CATCATCTCC TTCAGCTAGT CCTCACAAAA  
 -2268 ACAAACAAAT GAATAAACAA AATTCTTCTT TGGCCCTCAT AGGAAGACAC TGTTTCTTGA  
 -2208 ACGTGTTTCA AAAAGGATGG GTGACTCACT CAAGGTCACA CTGTTTATGA GGACAGTACA  
 -2148 GGAATACAGA CATGCCATTT TGCCTGAAAA AATCCATCAC CCAGGGAGGT GACACAATTT  
 -2088 TGCAGAAATG TTCTATTTCC TCTGAAGGAT ACATTCTTTA AACCTTTGGG AAATTCATTC  
 -2028 ATAGTCTTCC TCCTTTGAAG GATTACTCTC TGGACACAAA GTGTTTGATT CTGATTTGTT  
 -1968 GGTGGAAGA TGTGTTGGTT GAGAGAAAGA TTCTGATTTG TTGGTTGAAA ATAGACTCAT  
 -1908 CAAGATCAAC TGCTGTAGTA GTAAATATTT TGACATTTTG TCTGTATTCC TGTGCTGCCC  
 -1848 TCACAAGCTG CATCACCTTG AGTGAGTCAT TCATACTTTT TTGTTTGT TTGTTTGGGA  
 -1788 GATGGAGTCT TACTCTGTTG CCTAGGCTGG AGTGCGGTGG CGTGATCTTG GCTCACTGCG  
 -1728 ACCTCCATCT CCTGGGTTC AAGTGATCCTC CTGCCTCAGC CTCCCGAGTA GCTGGGATTA  
 -1668 CAGGCACATG CCACCATCCC TGCTAATTTT TGCATTTTCA GTAGAGACGG AGTTTCACCA  
 -1608 TGTGTTGTCAG GTTGGTCTTG AACTCCTGAC CTCAGGTGAT CCGCCACCT CAGCCTCCCC  
 -1548 AAGTGCTGGG ATTACAGGTG TGAGCCACCG TGCCAGCCC AGCCATCAT TTTGAAACAC  
 -1488 GTTTGAGAAA TAGTGTCTTC CTTTGAGGGC CAAGGAGACA TTTTTTTTGT TTATTTGTTT  
 -1428 GTTTTTGTGA GGACTAGCTG AAGGGGGTGA TGTATATTAA CCTGCCTACT TATTTGCCTC  
 -1368 TTCCCAGAGT GTGATGAATA TTAGGGTTTA AAGTTTCTGA AGCATTTGTT AATAAAGCCC  
 -1308 GGGGCTGGAG GTCAGAAGAC CTGGATTTCT CTGCATACTT TTGCCATCAG CAAGCTGTGT  
 -1248 GACCTTGGAC AGATCCCTTT TTTGTCTAAA TCTTTCTGAG TCTTCTTGAA AACAAATGCCA  
 -1188 GGTGAGGACA GGATGATTGC CAAGCTCCCG TCCAGCTCTA AAACACTGCA ACGTATGCTT  
 -1128 CTGCACCAGC ACTGTCCATC CTGTAGATCA TGCAGAAATT CTCTTCAACT TTTTCTACC  
 -1068 CATAAATAG GAGCATGCTT ACCTTTTTTC TAATGTTCCA GGCCCCGGGT CTAGATATTG  
 -1008 TAAGTAAGGA AGTTAATGTG TATCAGAGCC CATTATGGGC CAGAAGTTCT CCTCTTCTT  
 -948 CCTACACCTG CTTCTCTCCCT CCCTCCCTCC CTCTTTCCCT TCCTTCCCTC CATCCATTTG  
 -888 TGAAGAAGAC ATGATCACCC TCATTCTGAG AGTGAAGAGA CAGAGGCTCA ACTAATGAAA  
 -828 TGATTTGTTT AAGGTCACAC GGGTGGCACA AGGCAAGTGG CAGAGGTTGA ATTTAGACCC  
 -768 ATTCCTGTCC AAATGCTGAG TTTATGTCAT CGTCCCGAGA CCATAACTTT AAAGATGTAA  
 -708 GATAGTGGGA AAAGAGTTGA TTTCAAAGCA CCTCTCAGAA GGACTCACTT TACATCAGGG  
 -648 GTCAGCAGAC TCAGGCCAAA TCCGGTCCAT TCCCCGCTTT TGCAAAGAAA GTTGTAGTGG  
 -588 AACACAGCTA GGCTTATTGA TTTATGGATT GCCAACGTCC TTTTGTGAAA CAGACAGCTG  
 -528 AGCTGAGTAA TCGTGGCGCA CAAAACCTAA AATATTTACT ATCTCGTCCT TTACAGAATG  
 -468 TTTGCCAATC TATGGTCCGG AGTCCAAGGC TGTCCATTTT TCAAAGAACA CAAAGTGACA  
 -408 TGAGACTGTC CCATGTGCAG GGAGCCCTAT CATTTTATTA TGARAAAACG GCCTTTCTGC  
 -348 TCAAACTGTG TTTTAAAAA GTCAACAAAC AGACTCTGGG TACCTGTCAG GAACAGTAGG  
 -288 GAGTTTGGTT TCCATTGTGC TCTTCTTCCC AGGAACTCAA TGAAGGGGAA ATAGAAATCT  
 -228 TAATTTTGGG GAAATTGCAC AGGGGAAAAA GGGGAGGGAA TCAGTTACAA CACTCCATTG  
 -168 CGACACTTAG TGGGGTTGAA AGTGACAACA GCAAGGGTTT CTCTTTTGG AAATGCGAGG  
 -108 AGGGTATTTT CGCTTCTCGC AGTGGGGCAG GGTGGCAGAC GCCTAGCTTG GGTGAGTGAC  
 -48 TATTTCTTTA TAAACCACAA CTCTGGGCCC GCAATGGCAG TCCACTGCTT GCTGCAGTCA

Fig. 5 (cont.)

13	CAGAAATGGAA	ATCTGCAGAG	GCCTCCGGAG	TCACCTAATC	ACTCTCCTCC	TCTTCCTGTT
73	CCATTTCAGAG	ACGATCTGCC	GACCCTCTGG	GAGAAAATCC	AGCAAGATGC	AAGCCTTCAG
133	GTAAGGCTAC	CCCAAGGAGG	AGAAGGTGAG	GGTGGATCAG	CTGGAGACTG	GAAACATATC
193	ACAGCTGCCA	GGGCTGCCAG	GCCAGAGGGC	CTGAGAACTG	GGTTTGGGCT	GGAGAGGATG
253	TCCATTATTC	AAGAAAGAGG	CTGTTACATG	CATGGGCTTC	AGGACTTGTG	TTTCAAAATA
313	TCCCAGATGT	GGATAGTGCG	ACCGGAGGGC	TGTCTTACTT	TCCCAGAGAC	TCAGGAACCC
373	AGTGAGTAAT	AGATGCATGC	CAAGGAGTGG	GACTGCGATT	CAGGCCTAGT	TGAATGTGCT
433	GACAGAGAAG	CAGAGAGGGG	CACCAGGGGC	ACAGCCCGAA	GGCCCAGACT	GATATGGGCA
493	AGGCCTGTCT	GTGCTGACAT	GTCGGAGGGT	CCCCTCTCC	AGGGACCTTG	GTTTCCCCGT
553	CTGTGACATC	TGTGACATGA	GAGTCACGAT	AACTCCTTGT	GTGCCTTACA	GGGTTGTTGT
613	GAAAAATTAAA	TGCACAGATA	ATAGCGTAAC	AGTATTCCGT	GCATTGTAAA	GAGCCTGAAA
673	ACCATTATGA	TTTGAAAATG	GAATCGGCTT	TGTGAGACCA	TCACTATTGT	AAAGATGTGA
733	TGCTGATAGA	AATGACAGGA	CTGCTTGTGC	ATGCCCTCTG	CAGTGTGACA	TTCCAGCAGT
793	GAAATCATGT	TGGGGTGACT	TCTCCCCAC	TCTGACCTTT	ATGTTTGTCT	GGGCCGAGGC
853	TGCAAGTCGG	GCTCTGTGGG	TGTATGAGTG	ACAAGTCTCT	CCTTTCCAGA	TATGGGGACT
913	GTCTGCTTCC	CTAGGTTGCC	TCTCCCTGCT	CTGATCAGCT	AGAAGCTCCA	GGAGATCCTC
973	CTGGAGGCCC	CAGCAGGTGA	TGTTTATCCC	TCCAGACTGA	GGCTAAATCT	AGAAACTAGG
1033	ATAATCACAA	ACAGGCCAAT	GCTGCCATAT	GCAAAGCACT	TTGGTTTGCC	TGGCCACCCC
1093	TCGTGAGCA	TGTGGGCTCT	TCAGAGCACC	TGATGAGGTG	GGTACAGTTA	GCCACACTTC
1153	ACAGGTGAAG	AGGTGAGGCA	CAGGTCCCAG	GTCAGGCTGG	CCGGAGCTCT	GTTTATTACG
1213	TCTCACAGCT	TTGAGTCCTG	CTCTCAACCA	GAGAGGCCCT	TTACCAAGAA	GAAAGGATTG
1273	GGACCCAGAA	TCAGGTCACT	GGCTGAGGTA	GAGAGGAAGC	CGGGTTGTTT	CCAAGGGTAG
1333	CTGCTCCTGC	AGGACTCTGA	GCAGGTCACC	AGCTAATGGA	GGAAAGGCTC	TAGGGAAAGA
1393	CCCTTCTGGT	CTCAGACTCA	GAGCGAGTTA	GCTGCAAGGT	GTTCCGTCTC	TTGAAACTTC
1453	TACCTAGGTG	CTATGGTAGC	CACTAGTCTC	AGGTGGCTAT	TTAAATTTAT	ACTTAAATGA
1513	ATGAAAATAG	AAGAAAATTT	AAAATCCAGA	CCCTTGGTCA	CACTATCCAC	ATTTAAAGAG
1573	GTCAATAGCC	ACATGTGGTT	AGTGGCCACC	CTATTGGGCA	GTGCAGCTAC	AGAACATTTT
1633	TGCATCCAG	AAAGTTCTTT	TGGATGTTGC	TGCTCTACAG	CATGCTTTGC	TGAAACAGAA
1693	GTGCCTTCCC	TGGGAATCTC	AGATGGGAAG	CAAGTAAGGA	GGGGAGTCAA	ATGTGGGCTC
1753	ACTGCTCACC	AGCTGTGAGG	GTTGGGCCTG	CCTCTTAACC	ATTGTCAGCC	TCAGTCTTCT
1813	CATCCATGCA	TGCCGTGGGT	ATACTAAAAT	ACTATACCCC	TGGAAGAGCT	GGATGCAAAAT
1873	TTGACAAGTT	CTGGGGGACA	CAGGAAGGTG	CCAAGCACAA	GGCTGGGCAC	ATGGTGGCTG
1933	TGCACTACAG	CTGAGTCCTT	TTCTTTTCA	GAATCTGGGA	TGTTAACCAG	AAGACCTTCT
1993	ATCTGAGGAA	CAACCAACTA	GTTGCTGGAT	ACTTGCAAGG	ACCAAATGTC	AATTTAGAAG
2053	GTGAGTGGTT	GCCAGGAAAG	CCAATGTATC	TGGGCATCAC	GTCACCTTGC	CCGTCTGTCT
2113	GCAGCAGCAT	GGCCTGCCTG	CACAAACCCT	AGGTGCAATG	TCCTAATCCT	TGTTGGGTCT
2173	TTGTATTCAA	GTTTGAAGCT	GGGAGGGCCT	GGCTACTGAA	GGGCACATAT	GAGGGTAGCC
2233	TGAAGAGGGT	GTGGAGAGGT	AGAGTCTAGG	TCAGAGGTCA	GTGCCTATAG	GCAAGTGGTC
2293	CCAGGGCCAC	AGCTGGGAAG	GGCAAATACC	AGAAGGCAAG	GTTGACCATT	CCCTTCCTCA
2353	AGTGCCTATT	AAGGCTCCAT	GTTCTTATGT	TGTTCAAACC	CTAACTCAAT	CCCAAATTAA
2413	TCCACCATGT	ATAAGGTTGA	GCTATGTCTC	TTATTCTCTG	ACACCATACT	CAGCCATATC
2473	TGGTCCACAC	ATTAACAGCT	GGATGACCTT	GAAGAAGCTT	CACCCACTCT	GTTCTCAGC
2533	TTTCCCTTCA	GTGGGATGAT	ATCAACTGGA	CAACAGGATG	TGCGATTCTT	TTAGTTCCAG
2593	CCTTCCAGGA	TGTTTTCACT	CCCCTGTTTG	TTGTTGTAGG	ATGGTATTAC	CTCCACCTTC
2653	CCACCTTCCC	TATGCCCTGG	TTCTGTCTCC	TGTGCCTCGC	TCTGAAAGTG	GATGAGACCT
2713	ACAATTCCTG	TCCTGGTAGT	TCTCCTAATG	AACACACTGA	AGCACGAGGA	AGCTGAGATT
2773	TTTGTTGCTA	CATGAGAGCA	TGGAGGCCCT	TTAGGGAGAG	AGGAGGTTCA	GAGACTCCTA
2833	GGCTCCTGGT	GGAGCCCCAC	TCATGGCCTT	GTTTATTTTC	CCTGCCCTC	AGCAACACTC
2893	CTATTGACCT	GGAGCACAGG	TATCCTGGGG	AAAGTGAGGG	AAATATGGAC	ATCACATGGA

Fig. 5 (cont.)

2953 ACAACATCCA GGAGACTCAG GCCTCTAGGA GTAAC TGGGT AGTGTGCATC CTGGGGAAAG  
 3013 TGAGGGAAAT ATGGACATCA CATGGAACAA CATCCAGGAG ACTCAGGCCCT CTAGGAGTAA  
 3073 CTGGGTAGTG TGCATCCTGG GGAAAGTGAG GGAAATATGG ACATCACATG GAACAACATC  
 3133 CAGGAGACTC AGGCCTCTAG GAGTAACTGG GTAGTGTGCA TCCTGGGGAA AGTGAGGGAA  
 3193 ATATGGACAT CACATGGAAC AACATCCAGG AGACTCAGGC CTCTAGGAGT AACTGGGTAG  
 3253 TGTGCTTGGT TTAATCTTCT ATTTACCTGC AGACCAGGAA GATGAGACCT CTCTGCCCTT  
 3313 CTGACCTCGG GATTTTAGTT TTGTGGGGAC CAGGGGAGAT AGAAAAATAC CCGGGGTCTC  
 3373 TTCATTATTG CTGCTTCCTC TTCTATTAACTGACCTCC CCTCTGTTCT TCCCCAGAAA  
 3433 AGATAGATGT GGTACCCATT GAGCCTCATG CTCTGTTCTT GGGAATCCAT GGAGGGGAAGA  
 3493 TGTGCCTGTC CTGTGTCAAG TCTGGTGATG AGACCAGACT CCAGCTGGAG GTAAAAACAT  
 3553 GCTTTGGATC TCAAATCACC CCAAACCCA GTGGCTTGAA ACAACCAAAA TTTTTTCTTA  
 3613 TGATTCTGTG GGTGACCAG GATTAGCTGG GTAGTTCTGT TCCATGTGGT GGAACATGCT  
 3673 GGGGTCACTT TGGAAGCTGC ATTACAGCAG GTGCCAGGCT TGCGCTGGGC ATCCAAGGTG  
 3733 GTCCCTCATC CTCCAGGCTC TCTTTCCATG TGATCTCTCA GTGTTTAAAGA GTTAGTTGGA  
 3793 GCTTCCTTAC AGCATGGCGG CTGACTTCCA AAAGGGATTA TTCCAAAAAG AGCCTCAACA  
 3853 TGCAGGCGCT TATTATGACT TCTGCTTGCA TCATCCTATT GGCCAAAGCC AGTCACGTGG  
 3913 CTAAGTCTAG CCCCCTGTGA GAGGAGACTG CATAAGAGTG TGAACACCAG GAGACACGGT  
 3973 CACTGGGGGC CACCACTGTA ACCATCTACC ACAGGACCTG AATCTCTGTG TGCTACTCCC  
 4033 TTGCTCAAGG GCCCCCCTAC CCACGCAGAC CTGCTGTCTT CTAGCAAAGC CCATCCTCAG  
 4093 GACCTTTCTC TTCCAATCCT TATTGACTCA AATTGATTAG TTGGTGCTCC ACCCAGAGCC  
 4153 CTGTGCTCCT TTATCTCATG TAATGTTAAT GGGTTTCCCA GCCCTGGGAA AACATGGCTT  
 4213 TGTCTCAGGG GCTTGCTGGA TGCAACCTTA ACCTCAATGT GAGTGGCCAT ACTGTGGCAC  
 4273 TGTCCCATCC CTCACCAGGG ACACTGTTCT GGAGGGTGAC TGCCTGTTCT GTGAGGAGTG  
 4333 GGGATGGCTA GGACATTGCA TGGAACACAC CACCACCCCA TCTTCTCAGA GCTCAAACCC  
 4393 TGACAGAACA CCAGCTCCAC AGGCCTTGGC TTCTGCTGAT GGTGCCGTGT ATTTACCAGA  
 4453 CTTAGTGGTC CAAGGCCAGA GTGGCAGATT TCCCAAAGTC AAGGTGTGAC AGTGGGACAG  
 4513 CCTCTTTGTG TCTTTGCTGT CCTAAGAAAC CTGGGCCAGG CCAGGCGCAG TGGCTCACGC  
 4573 CTTGTAATCC CAGCACTTTG AGAGGCCAAG GTGGGCAGAT CACGAGGTCA GGAGTTTGA  
 4633 ACCAGCCTGG CCAACATTGG TGAAACCCTG TCTCTATTAA AAATAGAAAA CATTAGACAG  
 4693 GTGTGGTGGT GCATGCCTGT AATCCAGCT ACTCAGGAGG CTGAGGCAGG AGAATCGCTT  
 4753 GAACCCAGGA GGTGGAGGTT GCAGTGAGCC GAGATTGTGC CACTGCACTC CAGCCTAGGC  
 4813 GACAGAGCAA GACTCCGTCT CGGGAAAATT AATTAATAAA TAAATAAACC TAGGTCCCAG  
 4873 AGTCCCACAG AATGGCAGAC AGGAGCACCT GGGGGCTTTT AGGGTATGGC ATTTCCCCTG  
 4933 TACTAACTCT GGGCTGTCCA GAGGCGATTT CATGGCGTGG AGTGGAGAGG GAGGCAGCAC  
 4993 AGGACTTCCT AGGCCTCAGC TCTCACCTGC CCATCTTTTG ATTTCCAGGC AGTTAACATC  
 5053 ACTGACCTGA GCGAGAACAG AAAGCAGGAC AAGCGCTTCG CCTTCATCCG CTCAGACAGT  
 5113 GGCCCCACCA CCAGTTTGA GTCTGCCGCC TGCCCCGGTT GGTTCCTCTG CACAGCGATG  
 5173 GAAGCTGACC AGCCCGTCAG CCTCACCAAT ATGCCTGACG AAGGCGTCAT GGTCAACAAA  
 5233 TTCTACTTCC AGGAGGACGA GTAGTACTGC CCAGGCCTGC CTGTTCCCAT TCTTGATGG  
 5293 CAAGGACTGC AGGGACTGCC AGTCCCCCTG CCCCAGGGCT CCCGGCTATG GGGGCACTGA  
 5353 GGACCAGCCA TTGAGGGGTG GACCCTCAGA AGGCGTCACA ACAACCTGGT CACAGGACTC  
 5413 TGCCTCCTCT TCAACTGACC AGCCTCCATG CTGCCTCCAG AATGGTCTTT CTAATGTGTG  
 5473 AATCAGAGCA CAGCAGCCCC TGCACAAAGC CCTTCCATGT CGCCTCTGCA TTCAGGATCA  
 5533 AACCCCGACC ACCTGCCCAA CCTGCTCTCC TCTTGCCACT GCCTCTTCCT CCCTCATTC  
 5593 ACCTTCCCAT GCCCTGGATC CATCAGGCCA CTTGATGACC CCCAACCAAG TGGCTCCCAC  
 5653 ACCCTGTTTT ACAAAAAAGA AAAGACCAGT CCATGAGGGA GGTTTTTAAG GGTTTGTGGA  
 5713 AAATGAAAAT TAGGATTTCA TGATTTTTTT TTTTCAGTCC CCGTGAAGGA GAGCCCTTCA  
 5773 TTTGGAGATT ATGTTCTTTC GGGGAGAGGC TGAGGACTTA AAATATTCCCT GCATTTGTGA  
 5833 AATGATGGTG AAAGTAAGTG GTAGCTTTTC CCTTCTTTTT CTTCTTTTTT TGTGATGTCC  
 5893 CAACTTGTA AAATTAAAAG TTATGGTACT ATGTTAGCCC CATAATTTTT TTTTTCCTTT

Fig. 5 (cont.)

5953 TAAAACACTT CCATAATCTG GAGTCCTCTG TCCAGGCACT GCTGCCCAGC CTCCAAGCTC  
6013 CATCTCCACT CCAGATTTT TACAGCTGCC TGCAGTACTT TACCTCCTAT CAGAAGTTTC  
6073 TCAGCTCCCA AGGCTCTGAG CAAATGTGGC TCCTGGGGGT TCTTTCTTCC TCTGCTGAAG  
6133 GAATAAATTG CTCCTTGACA TTGTAGAGCT TCTGGCACTT GGAGACTTGT ATGAAAGATG  
6193 GCTGTGCCTC TGCCTGTCTC CCCACCAGGC TGGGAGCTCT GCAGAGCAGG AAACATGACT  
6253 CGTATATGTC TCAGGTCCCT GCAGGGCCAA GCACCTAGCC TCGCTCTTGG CAGGTACTCA  
6313 GCGAATGAAT GCTGTATATG TTGGGTGCAA AGTTCCCTAC TTCCTGTGAC TTCAGCTCTG  
6373 TTTTACAATA AAATCTTGAA AATGCCTATA TTGTTGACTA TGTCCTTGGC CTTGACAGGC  
6433 TTTGGGTATA GAGTGCTGAG GAAACTGAAA GACCAATGTG TYTTYCTTAC CCCAGAGGCT  
6493 GGCGCCTGGC CTCTTCTCTG AGAGTTCTTT TCTTCCTTCA GCCTCACTCT CCCTGGATAA  
6553 CATGAGAGCA AATCTCTCTG CGGGG

Fig. 5 (cont.)